

Title (en)

Use of spray compacted copper-nickel-manganese alloy

Title (de)

Verwendung einer sprühkompaktierten Kupfer-Nickel-Mangan-Legierung

Title (fr)

Utilisation d' alliage cuivre-nickel-manganèse compacté par pulvérisation

Publication

EP 1264906 B1 20050615 (DE)

Application

EP 01109660 A 20010419

Priority

EP 01109660 A 20010419

Abstract (en)

[origin: US2002166609A1] A method for the manufacture of tools and components for the offshore field and the mining industry, in particular for drilling installations using a spray formed Cu-Ni-Mn alloy consisting of 10 to 25% Ni, 10 to 25% Mn, the remainder being copper and the common impurities. Due to the favorable characteristic of the combination, it is suitable as a replacement material for Be-containing copper materials.

IPC 1-7

C22C 9/06; **C22C 9/05**

IPC 8 full level

C22C 9/05 (2006.01); **C22C 9/06** (2006.01)

CPC (source: EP US)

C22C 9/05 (2013.01 - EP US); **C22C 9/06** (2013.01 - EP US)

Citation (examination)

DE 4006410 A1 19910905 - WIELAND WERKE AG [DE]

Cited by

DE102013010301A1; WO2014202221A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2002166609 A1 20021114; **US 6866818 B2 20050315**; AT E298007 T1 20050715; CA 2381911 A1 20021019; CA 2381911 C 20090908; DE 50106520 D1 20050721; EP 1264906 A1 20021211; EP 1264906 B1 20050615; NO 20021709 D0 20020411; NO 20021709 L 20021021

DOCDB simple family (application)

US 12529102 A 20020418; AT 01109660 T 20010419; CA 2381911 A 20020417; DE 50106520 T 20010419; EP 01109660 A 20010419; NO 20021709 A 20020411